

#### **AGENDA**

- Welcome Joe Barrows
- · Introductions
- Technologies
- Next Generation 9-1-1
- · Grant Technologies
- Intermission
- · Grant Processes
- Q&A
- · Closing Remarks



## **CMRS Grant Fund Overview**

#### **CMRS Board Staff**



Joe Barrows, Executive Director joe.barrows@ky.gov



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Krista Harrod, Executive Assistant krista.harrod@ky.gov

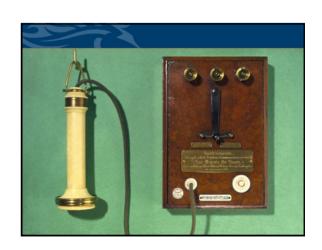


## **RCC Consultants**

- · Tony Busam, ENP
  - Co-Chair, NENA Development Steering Council
  - 30 yr. Professional Firefighter
  - State of Oregon 9-1-1 Project Lead
  - Author, NENA "Convergence"
  - NENA Technical Committee Chair
  - Technical Advisor 4 States









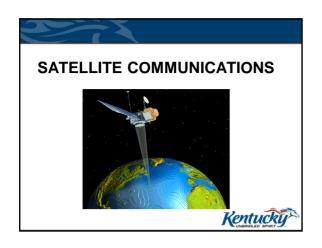


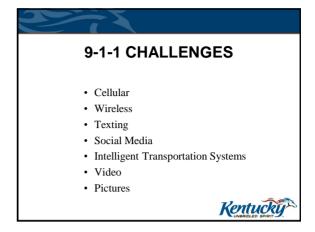


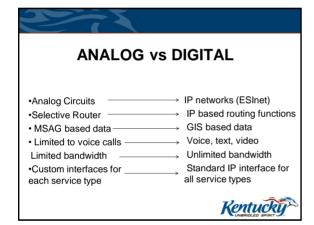


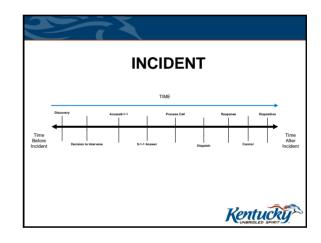


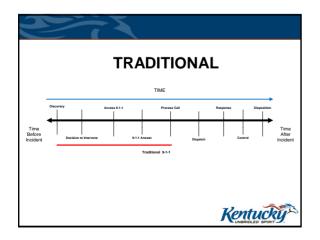


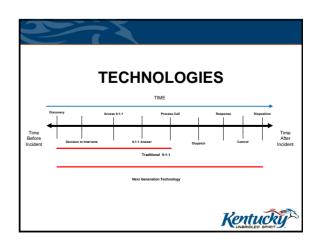












#### **CURRENT SYSTEMS**

- 9-1-1
- · Computer Aided Dispatch
- Radio
- · Mobile Data
- · Automatic Vehicle Location
- · Disposition and Reporting
- · Record Management Systems
- CJIS/NLETS





## **EVOLUTION: CAUSATIVE FACTORS**

- · Inability to Deliver Content via Analog
- · Increasing Public Safety Demands
- · Consumer Product Evolution
- · Location Based Services
- · Social Media
- · "Writing on the Wall"



## THE "AH-HAH" MOMENT



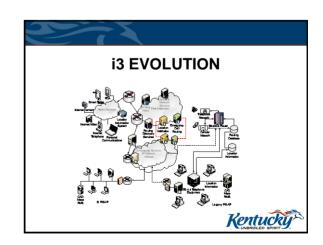
Voice Call, April 8, 1999
Bob Tilden (Pacific Bell)
to
Tony Busam (State of Oregon)

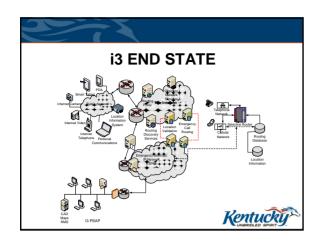


## STANDARDS EVOLUTION

- 2000: NENA (National Emergency Number Association) identifies need for NG9-1-1 with Document "Convergence"
- 2001: NENA adopts IP for NG9-1-1
- · 2002: Conceptual Design, NENA
- 2002: NENA forms NG Committee
- 2005: NENA publishes i2
- 2010: i3 Standard Published, Industry Collaboration Event (ICE) initiated
- 2012: Deployments Begin







#### **TERMINOLOGY**

- · Payloads
  - The Content Being Sent
- Appliances
  - Hardware Devices Used
- Applications
  - Software and Data Used
- IP Networks
  - Transport of Payloads



## **NEW TERMINOLOGY**

- Location Validation Function: (LVF)
- New routing determination function: Emergency Call Routing Function (ECRF)
- New routing element: Emergency Services Routing Proxy (ESRP)



## **NEW TERMINOLOGY (cont'd)**

- New element to hold location: Location Information Server (LIS)
- New security element: Border Control Function (BCF)
- Gateways: Entry Points for Payloads



# THE GOOD NEWS? YOU DON'T NEED ANY OF THESE



#### THE KENTUCKY PLAN

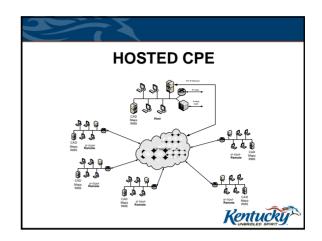
- · CMRS Provides:
  - Data Centers
  - Applications and Appliances
  - GIS Normalization
  - Network Facilities
  - Hosted CPE (optional)

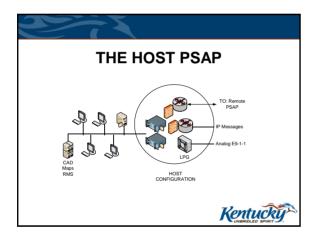


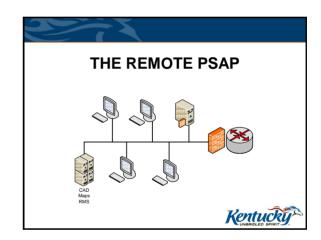
## **GRANT INTENT AND TECHNOLOGY**

- Acquire NG9-1-1 "Enabled" Products
- · Leverage Regional Initiatives
- · Build/Improve GIS Data Sets
- Acquire Sufficient Network Facility
- · Identify "Rules" for Advanced Call Routing









## **COMMON TO HOST AND REMOTE**

- · Logging Recorder
- · Instant Recall Recorder
- · Universal Time Interface
- · CAD Interface
- · Management Information System
- Record Retention



#### **ACQUISITION**

- Request For Proposal
- · Sole Source
- · Cites Kentucky Plan
- Service Level Agreement
- · Testing, Certification and Training







- CAD to CAD
- INSTANT MESSAGING
- BOLO
- AMBER ALERT
- FIRST NET
- INTEROPERABILITY

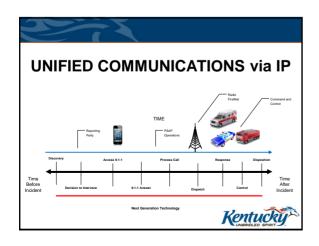




## **COMMONALITY**

- · Multiple Disciplines
- Multi-Agency/Jurisdiction
- · Command and Control
- · Limited Communications
- · Potentially Long Distances







## Kentucky State 911 Plan

- · Basic Components
  - Statewide ESInet
  - Regional IP Networks
  - Host/Remote Provisioning w/Shared Hardware, Software, etc....
  - NG Level Mapping
  - Legacy System Maintenance



## **Kentucky State 911 Plan**

#### Basic Components

- Statewide ESI Network
- Regional IP Networks
- Host/Remote Provisioning w/ Shared Hardware, Software, etc....
- NG Level Mapping
- Legacy System Maintenance



## **Kentucky CMRS Board**



The Commercial Mobile Radio Service Emergency
Telecommunications Board (CMRS Board) is
charged with administrating the CMRS fund for the
purpose of implementing <u>wireless</u> emergency
Enhanced 911 service throughout Kentucky in
accordance with State and Federal Legislation and
Regulations.



#### **CMRS Grant Fund Overview**

- · Created in 2006 as an amendment to KRS 65.7631
- 10% of all CMRS revenue is deposited into the Grant Fund
- "for the establishment and improvement of E911 services . ."
- "for incentives to create more efficient delivery of E911 . . ."
- "for improvements of 911 infrastructure by wireless carriers"
- for PSAP Consolidation reimbursement\*

\*The CMRS PSAP Consolidation Grant is a separate, noncompetitive application and should not be applied for through this competitive process.



## 2013 CMRS Grant Application



Kentucky

## 2013 CMRS Grant Requirements

#### **Mandatory Project Requirement**

Application <u>MUST</u> be consistent with the State 911 Plan.

The State 911 Plan can be found at <a href="www.cmrsboard.ky.gov">www.cmrsboard.ky.gov</a>.



**Kentucky** 

#### 2013 CMRS Grant Requirements

#### **Project Priorities**



- 1) Efficiency in the cost and/or delivery of 911 service.
- 2) Multi-jurisdictional impact.
- 3) Project and applicant exhibit sustainability.
- 4) Documented emergency situation.

\*Funded grant applications should attempt to meet one or more of the listed priorities.



## 2013 CMRS Grant Requirements

- Efficiencies in Cost and/or Delivery of 911 Services:
  - Cost: Instances where an investment by the CMRS Board for nonrecurring costs could lower the PSAP's monthly/annual recurring
  - Cost: Projects with shared services or equipment and multiple participants
  - Service: Purchases that could decrease call answering times or promote more reliable disaster recovery.
  - Service: Projects that consolidate equipment into one package and/or







## 2013 CMRS Grant Requirements

- · Projects with Multi-Jurisdictional Impacts often allow PSAPs to consolidate equipment or use of services without sacrificing the autonomy of their PSAP.
- · Examples of Projects with Multi-Jurisdictional Impact Include:
  - Regional IP Networks
  - Host and Remote CPE (shared backroom equipment)
  - Regional Mapping and Addressing Maintenance Plans









## 2013 CMRS Grant Requirements

- · How can you determine if your project is sustainable?
  - Identify the recurring costs associated with the purchase.
  - Can your agency afford to cover the monthly/annual maintenance (i.e. non-recurring) costs?
  - Is this cost more than what you are currently paying? If so, do you have the funds to cover the difference?
  - If there are technical components to your project that require maintenance and monitoring, do you have plans for someone to do that (could be "in house" or through vendor maintenance contract)?
  - Is your PSAP sustainable? Will it still be operating in 5 years?









## 2013 CMRS Grant Requirements

- For applicants claiming "Emergency Situations," those claims should be well documented. EX:
  - Letter from vendor declaring "end of life."
  - Logs from maintenance calls/reports
  - Real life stories.

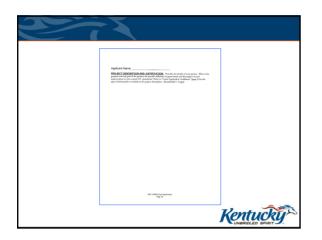




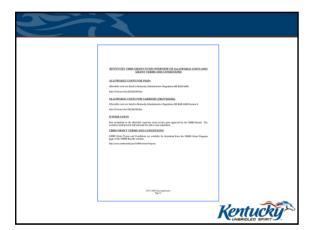


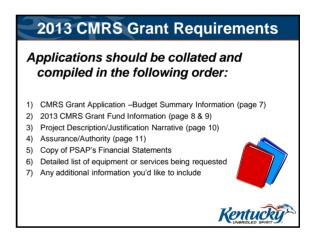
## 2013 CMRS Grant Application

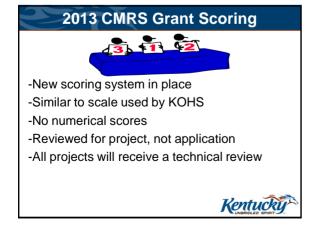
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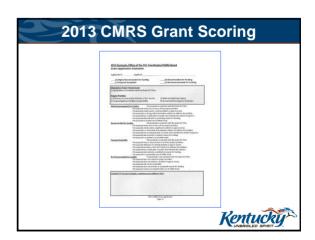


#### 2013 CMRS Grant Requirements All applications should (in narrative section): -fit allowable CMRS fund spending criteria (202 KAR 6:090) -address specific inadequacy or gap in service -demonstrate how they will be sustained -contain adequate budget information/realistic cost projections/detailed equipment listing -show good technical planning/logical progression/specific timelines -have proper technical and financial oversight -avoid encumbering funds in outdated equipment and processes -provide documentation for emergency circumstances -advise if there are matching funds -advise if this project completes an ongoing project -advise whether project is sole source or will be competitively bid -properly disclose previous grant awards Kentucki









## 2013 CMRS Grant Scoring



A) Highly Recommended for Funding

- B) Recommended for Funding
  - C) Proposal Acceptable
- D) Not Recommended for Funding



#### 2013 CMRS Grant Fund Calendar



Application Due

March 15th, 2013

Evaluations

CMRS Board Approves Awards

CMRS Board Notifies Agencies

Paperwork/Contract Initiation

Grant Contracts Begin

March 15th, 2013

late March 2013

early April 2013

mid-late April 2013

May 2013



#### **CMRS Grant -Post Award**

If your agency receives a CMRS Grant Award, here are your procurement options for purchases over \$20,000:

- -State Price Contract
- -Sole Source Exemption
- -RFP

\*An awarded application with a specific vendor quote does not guarantee the business can go to that vendor.



#### CMRS Grant -Post Award

- -You will receive correspondence from the CMRS Board whether you receive a grant award or not.
- -This is a reimbursement grant.
- -Grant awardees are required to submit timely quarterly reports to the CMRS Board.
- -The awarded contract must be initiated between the CMRS Board and another government agency (Fiscal Court, City, 911 Board, ADD District, another State agency).
- -Any changes to the original contract such as time extension or modification to the original project description must be approved by the CMRS Board.



#### 2013 CMRS Grant Process





-deliver the original and (6) copies to the CMRS Board Office by 4:30pm on March 15th, 2013.

- -make an effort to use Times New Roman, 12 point font
- -include a copy of your annual end of year Financial Statement for the last two years
- -include a detailed list of equipment or services requested (vendor quotes) -ensure that your request is allowable under 202 KAR 6:090 (General Rule: if it is in the PSAP –probably ok, if it is not in the PSAP –probably not ok, with a few exceptions on each side. Call the CMRS Office for clarification.)
- -identify in the application if your project will take more than a year to complete
- -properly disclose any previous grant awards, regardless of source



#### 2013 CMRS Grant Process

DONT'S (x)



- -do not apply for equipment or services that you've already purchased; no work may begin until a contract is in place between the CMRS Board and a grantee
- -do not apply for a project that is not consistent with the State 911 Plan
- -do not assume a piece of equipment is on the State Price Contract just because a vendor tells you it is
- -do not assume a piece of equipment is Next Generation 911 "ready" just because a vendor tells you it is





## **Contact Us**

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